

AMENDMENTS TO THE CLAIMS:

1. (currently amended) A method for tissue-selective treatment in surgery comprising the steps of:

placing a probe in an area of body tissue of a person being treated;

~~positioning a probe in an area of a diseased change after placing on a body organ or body tissue to be treated;~~

stimulating the area of body tissue by causing the probe to send to the area activating
~~tissue selection in that~~ different electrical and/or electromagnetic stimulus signals
which can be preadjusted or modulated ~~are sent to the tissue in order to stimulate the~~
~~latter;~~

identifying any pathologically changed tissue parts in the area of body tissue by
identifying those tissue parts for which the person being treated provides no stimulus
response or an unexpected stimulus response, wherein the response identified is
distinct from the properties of the body tissue being stimulated;

~~distinguishing healthy tissue parts from pathologically changed tissue parts by evaluating~~
~~responses to these stimuli; and~~

treating the area of body tissue, wherein the treatment comprises the probe selecting
and/or removing any pathologically changed tissue parts;

wherein, if the tissue stimulation does not identify a pathologically changed tissue part, in
~~the case of an expected stimulus response identifying healthy tissue, repositioning the~~
~~probe is repositioned and a new area of body tissue is stimulated activating the tissue~~
~~selection again, or when the stimulus response identifying pathologically altered~~
~~tissue is absent or unexpected, carrying out the corresponding therapeutic or surgical~~
~~treatment by the same probe at the selected site.~~

2. (currently amended) The method ~~for tissue-selective treatment according to~~ of claim 1, in

~~which~~ wherein the tissue ~~selection~~ stimulation that follows ~~during~~ the repositioning of the probe ~~due to an expected stimulus response identifying healthy tissue~~ can be carried out by iterative or continuous transmission of stimulus signals.

3. (currently amended) The method ~~for tissue-selective treatment according to~~ of claim 1, wherein (a) a direct online tissue ~~selection~~ stimulation is carried out by alternating treatment and positioning with tissue ~~selection~~ stimulation and immediate evaluation of the stimulus responses and, (b) ~~the user is warned~~ during treatment of critical tissue regions, a user is warned and/or the ~~therapy~~ treatment can be interrupted.